

Title (en)
PROCESS FOR PRODUCING 5-HYDROXY-4-THIOMETHYLPYRAZOLE COMPOUND

Title (de)
VERFAHREN ZUR HERSTELLUNG EINER 5-HYDROXY-4-THIOMETHYLPYRAZOLVERBINDUNG

Title (fr)
PROCEDE POUR LA PRODUCTION D'UN COMPOSE 5-HYDROXY-4-THIOMETHYLPYRAZOLE

Publication
EP 1767528 A1 20070328 (EN)

Application
EP 05728918 A 20050331

Priority

- JP 2005006806 W 20050331
- JP 2004102963 A 20040331

Abstract (en)
A pyrazole compound represented by general formula (1) is reacted with a sulfur compound represented by general formula (2) in the presence of a base and formaldehyde, to thereby produce a 5-hydroxy-4-thiomethylpyrazole compound represented by general formula (3). The 5-hydroxy-4-thiomethylpyrazole compound may easily be produced in a good yield, by using such a process. Further, this process may easily provide the 5-hydroxy-4-thiomethylpyrazole compound under a mild condition in a single step, without using a special apparatus, an expensive catalyst, or a transition metal, etc. In addition, this process may be conducted substantially without producing a harmful waste which can be derived from a catalyst, etc., and therefore this process is friendly to the environment and industrially valuable.

IPC 8 full level
C07D 231/20 (2006.01); **C07D 231/30** (2006.01); **C07D 413/12** (2006.01)

CPC (source: EP KR US)
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Cited by
WO2018154097A1; WO2017084995A1; US8455664B2; US7465805B2; EP1829868A4; WO2011144549A1; US8921572B2; WO2011063842A1; US10361487B2

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